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(71) Applicant: Tektronix International Sales GmbH
Neuhausen 82, Schaffhausen (CH)

(72) Inventor: Towler, Matthew
Bar Hill, Cambridgeshire CB3 8TE (GB)

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(74) Representative: Molyneaux, Martyn William et al
Harrison Goddard Foote
40-43 Chancery Lane
London WC2A 1JA (GB)

(54) Method and apparatus for analyzing a transport stream

(57) A transport stream of a compressed video signal is monitored. Information elements extracted from the transport stream prompt the generation of messages which are assigned a predetermined priority dependent upon their pre-determined criticality to integrity of the video signal. The generated messages are queued for analysis by analyzer modules only if their priority exceeds a current value of a variable threshold priority level for the queue. The variable threshold priority level is varied dependent on the current length of the queue.

When the threshold level is raised, messages already in the queue having a lower priority than the new threshold priority are discarded from the queue without analysis. Thus a varying proportion of the least important messages are progressively discarded so that the apparatus continuously stabilizes at a maximum proportion of messages that the monitor can handle without overload, while always analyzing messages corresponding to the most critical parameters of the transport stream.

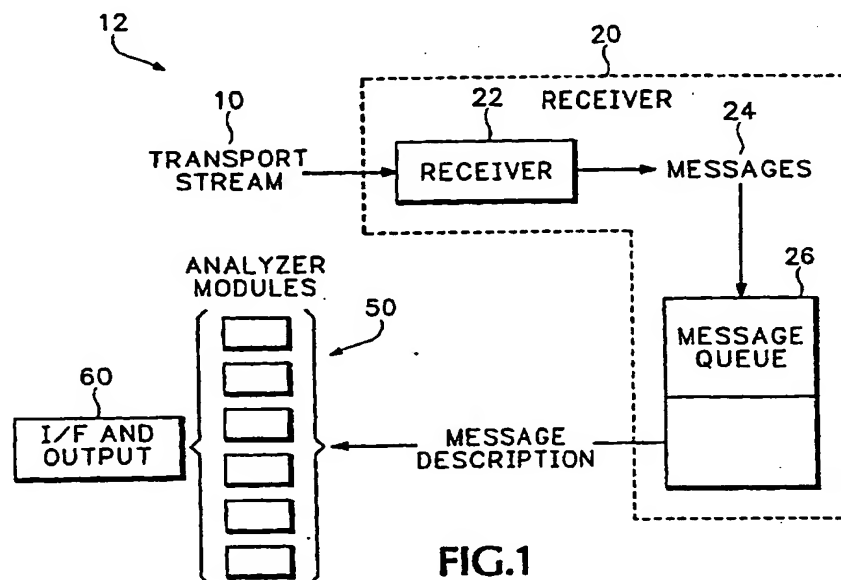


FIG.1

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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		27 April 2004	Beaudet, J-P
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

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